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| 1 | BRS | L1 | 952 | 703/13.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | 2006/09/09 11:56 |
| 2 | BRS | L2 | 796 | 703/22.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | 2006/09/09 11:57 |
| 3 | BRS | L3 | 70172 | (production same tools) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | 2006/09/09 11:57 |
| 4 | BRS | L4 | 0 | (production same tools same simulatino) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | 2006/09/09 11:57 |
| 5 | BRS | L5 | 717 | (production same tools same simulation) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | 2006/09/09 12:00 |

| | Type | L # | Hits | Search Text | DBs | Time Stamp |
|---|---|---|---|---|---|---|
| 6 | BRS | L6 | 786 | (production adj system) same tools | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | 2006/09/09 12:00 |
| 7 | BRS | L7 | 24 | (production adj system) same tools same simulation | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | 2006/09/09 12:00 |

enhanced by permitting designers to easily express their design concepts in concrete, comprehensive, and comprehensible working models. A set of prototyping and simulation tools has been developed to be used as an integral part of the specification and design process. These include an interactive display building utility and a syntax-driven interactive dialogue controller. The display builder is used ...

**Keywords**: Computer graphics, Human interaction, Input tools, Interactive techniques, Programming languages, System design, User/computer dialogue

**19** Perspectives on CASE tool integration

Nicholas Wybolt
July 1991 **ACM SIGSOFT Software Engineering Notes**, Volume 16 Issue 3
**Publisher:** ACM Press
Full text available: pdf(407.49 KB) Additional Information: full citation, abstract, index terms

CASE tool integration means making the whole tool environment greater than the sum of its constituent parts (tools). An integrated CASE environment, in turn, is built on an integration *framework*. This paper presents a series of perspectives on CASE tool integration and frameworks.

**20** Simulation education: Why we need to offer a modeling and simulation engineering curriculum

Leo J. De Vin, Mats Jägstam
December 2001 **Proceedings of the 33nd conference on Winter simulation**
**Publisher:** IEEE Computer Society
Full text available: pdf(305.86 KB) Additional Information: full citation, abstract, references, index terms

This paper describes some identifiable trends in the manufacturing industry regarding the increased use of simulation tools, especially by small- to medium-sized companies. These trends have resulted in the need for a new type of engineer, namely simulation engineer. This need prompted the University of Skövde to develop a B.Sc. simulation engineering study program. The contents and layout of the program, which started in Autumn 2000, are described. After receiving a firm foundation in manu ...

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1 Real time discrete event simulation of a PCB production system for operational support
Mats Jackson, Christer Johansson
December 1997 **Proceedings of the 29th conference on Winter simulation**
**Publisher:** ACM Press
Full text available: pdf(611.50 KB) Additional Information: full citation, references, citings, index terms

2 Evaluation of cluster tool throughput for thin film head production
Eric J. Koehler, Timbur M. Wulf, Alvin C. Bruska, Marvin S. Seppanen
December 1999 **Proceedings of the 31st conference on Winter simulation: Simulation--a bridge to the future - Volume 1**
**Publisher:** ACM Press
Full text available: pdf(83.62 KB) Additional Information: full citation, references, citings, index terms

3 Scenarios and State Machines: Models, Algorithms and Tools (SCESM): Reconciling scenario-centered controller design with state-based system models
Holger Giese, Ekkart Kindler, Florian Klein, Robert Wagner
May 2005 **ACM SIGSOFT Software Engineering Notes , Proceedings of the fourth international workshop on Scenarios and state machines: models, algorithms and tools SCESM '05**, Volume 30 Issue 4
**Publisher:** ACM Press
Full text available: pdf(285.26 KB) Additional Information: full citation, abstract, references, index terms

Scenarios are an effective means for defining the expected behavior of a system during the design and implementation phase. The 'Come Let's Play' approach has demonstrated that scenarios can fully define a system's behavior. In practice, however, the expected behavior defined by scenarios must be achieved in the context of existing components that cannot be changed. Therefore, the scenario-based approach must be reconciled with state-based models. In this paper, we present such an approach for t ...

4 Opus: A Smalltalk production system
Jane Laursen, Robert Atkinson
December 1987 **ACM SIGPLAN Notices , Conference proceedings on Object-oriented programming systems, languages and applications OOPSLA '87**, Volume

22 Issue 12
**Publisher:** ACM Press
Full text available: pdf(1.05 MB) Additional Information: full citation, abstract, references, index terms

Opus is a tool for rule-based programming which integrates a production system paradigm with the Smalltalk-80 environment. Opus currently provides a data-driven production system that allows the programmer considerable freedom, including access to the full functionality of the Smalltalk-80 language, and the ability to match rules with arbitrary objects in the environment. We present the goals for the design, a description of the system and its implementation, and discuss issues raised by th ...

5 Concepts for production modeling systems based on multiple user types
Charles R. Standridge, Martha A. Centeno
December 1991 **Proceedings of the 23rd conference on Winter simulation**
**Publisher:** IEEE Computer Society
Full text available: pdf(693.13 KB) Additional Information: full citation, references, citings, index terms

6 Queryable acyclic production systems
David Tanzer, Dennis Shasha
November 1999 **Proceedings of the eighth international conference on Information and knowledge management**
**Publisher:** ACM Press
Full text available: pdf(924.17 KB) Additional Information: full citation, abstract, references, index terms

We pose a query problem about the behavior of a consultation system S: given a constraint formula q and a potential conclusion c for S, determine if there is a user input binding that satisfies q and causes S to conclude c. Existing rule-based expert systems, both forward and backward chaining[3], implement a consultation mechanism S, but are not designed f ...

7 A survey of varied production systems and different aspects using computersimulation
K. Heinz Weigl
December 1991 **Proceedings of the 23rd conference on Winter simulation**
**Publisher:** IEEE Computer Society
Full text available: pdf(932.99 KB) Additional Information: full citation, references, index terms

8 Part and tool flow management in multi-cell flexible manufacturing system
Mustafa Özbayrak, A. Kursad Turker, Melek Pisman
December 1997 **Proceedings of the 29th conference on Winter simulation**
**Publisher:** ACM Press
Full text available: pdf(943.76 KB) Additional Information: full citation, references, index terms

9 Documentation generation from a PSA database
E D Callender, Y Yamamoto, D B Childs, A M Farney
February 1986 **Proceedings of the 4th annual international conference on Systems documentation**
**Publisher:** ACM Press
Full text available: pdf(741.12 KB) Additional Information: full citation, references, index terms

10 Abstract interaction tools: a language for user interface management systems

Jan Van Den Bos
April 1988 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 10 Issue 2
**Publisher:** ACM Press

Full text available: pdf(2.45 MB) Additional Information: full citation, abstract, references, citings, index terms, review

A language model is presented for the specification of User Interface Management Systems. The model, called the Abstract Interaction Tool (AIT) model, offers a tree-like hierarchy of interaction objects. Each object represents a subtree and can be considered as an abstract input device containing a syntax-like specification of the required input pattern. The hierarchy of specifications amounts to a system of syntactical productions with multiple control. Terminal nodes of the AIT tree repre ...

11 Modeling methodology: An integrated object model for activity network based simulation

Gert Zülch, Jörg Fischer, Uwe Jonsson
December 2000 **Proceedings of the 32nd conference on Winter simulation**
**Publisher:** Society for Computer Simulation International
Full text available: pdf(398.55 KB) Additional Information: full citation, abstract, references

This paper describes an object-orientated simulation approach towards an integrated planning of production systems. The main obstacle for an integrated use of simulation over different planning areas and stages are the different views on a production system. Therefore, an object model is developed, which enables the co-existence of different views and levels of detail in the same simulation model while maintaining its consistency. This is achieved by combining object-orientated technology with a ...

12 Globalization: Global teamwork for a global resource

Deborah Hysell
September 2000 **Proceedings of IEEE professional communication society international professional communication conference and Proceedings of the 18th annual ACM international conference on Computer documentation: technology & teamwork**
**Publisher:** IEEE Educational Activities Department
Full text available: pdf(576.18 KB) Additional Information: full citation, abstract, references, citings

OCLC used a team including two software-consulting groups---one in California and the other New York---to build a new production system to produce multilevel, multilingual help and documentation for its FirstSearch service. For translations, the team included translators and reviewers in several countries. The principles for building effective teams across great distances are the same as those when building a team in your own building.

13 Production system architecture: The use of production systems in RITA to construct personal computer "agents"

Robert H. Anderson
June 1977 **ACM SIGART Bulletin**, Issue 63
**Publisher:** ACM Press
Full text available: pdf(689.60 KB) Additional Information: full citation, abstract, references

A production system called RITA has been developed on a PDP-11/UNIX minicomputer system, to allow the development of "user agents": small programs that perform useful tasks for a user. RITA rules are written in an English-like language, allowing an agent's logic to be understood by a computer-naive user. The RITA system contains explanatory facilities capable of giving substantial trace and historical information regarding the

operation of a user agent. An example of the design and implementatio ...

**14** Special issue on knowledge representation

Ronald J. Brachman, Brian C. Smith
February 1980 **ACM SIGART Bulletin**, Issue 70
**Publisher:** ACM Press
Full text available: pdf(13.13 MB) Additional Information: full citation, abstract

In the fall of 1978 we decided to produce a special issue of the SIGART Newsletter devoted to a survey of current knowledge representation research. We felt that there were twe useful functions such an issue could serve. First, we hoped to elicit a clear picture of how people working in this subdiscipline understand knowledge representation research, to illuminate the issues on which current research is focused, and to catalogue what approaches and techniques are currently being developed. Secon ...

**15** Verification, validation and accreditation: An integrated approach to verification, validation, and accredition of models and simulations

Don Caughlin
December 2000 **Proceedings of the 32nd conference on Winter simulation**
**Publisher:** Society for Computer Simulation International
Full text available: pdf(93.41 KB) Additional Information: full citation, abstract, references

In an M&S-Based Systems Acquisition, computer simulation is used throughout the development process not just as an analysis tool but also as a development tool. In general, development of a system capability using M&S-Based Systems Development will result in multiple models or simulations to meet specific needs. The Verification, Validation and Accreditation (VV&A) of each these tools is integral to M&S development. Integrating Verification and Validation (V&V) activities with M&S development an ...

**16** Features: Coding Smart: People vs. Tools

Donn M. Seeley
September 2003 **Queue**, Volume 1 Issue 6
**Publisher:** ACM Press
Full text available: pdf(643.03 KB) html(31.47 KB) Additional Information: full citation, abstract, index terms

Tools can help developers be more productive, but they're no replacement for thinking.

**17** Modeling manufacturing systems: an information-based approach

Martha A. Centeno, Charles Standridge
April 1991 **Proceedings of the 24th annual symposium on Simulation ANSS '91**
**Publisher:** IEEE Computer Society Press
Full text available: pdf(801.82 KB) Additional Information: full citation, references, citings, index terms

**18** Prototyping and simulation tools for user/computer dialogue design

Paul R. Hanau, David R. Lenorovitz
July 1980 **ACM SIGGRAPH Computer Graphics , Proceedings of the 7th annual conference on Computer graphics and interactive techniques SIGGRAPH '80**, Volume 14 Issue 3
**Publisher:** ACM Press
Full text available: pdf(549.32 KB) Additional Information: full citation, abstract, references, citings, index terms

The design and development of user interfaces to interactive computer systems is